

ABSTRACT OF THE DISCLOSURE

5 A process for forming an ene reaction product wherein an enophile, such as maleic
anhydride, is reacted with reactive polyalkene having a terminal vinylidene content of at least 30
mol. %, at high temperature in the presence of a free radical inhibitor. The polyalkenyl acylating
agents are useful *per se* as additives in lubricating oils, functional fluids, and fuels and also serve
as intermediates in the preparation of other products (e.g., succinimides) useful as additives in
lubricating oils, functional fluids, and fuels. The presence of the free radical inhibitor during the
high temperature reaction results in a reaction product that is low, or substantially free from
10 sediment.